

From owner-qrp-1@netcom.com Thu Nov 17 01:22:58 1994
Date: Thu, 17 Nov 94 14:31:54 EST
From: richard@dnd.icp.nec.com.au (Richard Urmonas)
Message-Id: <9411170331.AA10868@durian.dnd.icp.nec.com.au>
Subject: \$10 keyer

OK the \$10 keyer has got me intrigued. This is a project I can possibly afford to experiment with (time and \$ wise). I'm willing to give it a go but I have never owned a keyer :-).

So how about some people tell me what is the MINIMUM requirement for a keyer and I will see what I can do. If time is in my favour I will get an initial circuit running reasonably soon (but time is seldom in my favour). Also as I am not familiar with keyers please define what the features are (i.e. explain the sequence of how it should behave).

73

Richard Urmonas VK3DRU.

From owner-qrp-1@netcom.com Wed Nov 16 15:07:27 1994
Date: Wed, 16 Nov 94 08:48:54 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9411161848.AA14704@kahuna.math.hawaii.edu>
Subject: 10M calling freq

Gang,

I'll be back on your side of the Pacific for 3 weeks as NH6IL/7
- I have a nice HTX-100 10M rig sitting back there (thanks to James Speer!) and am wondering if there is a national/international calling frequency I can monitor rather than scanning the band for activity. I believe 28.040 might be a QRP CW calling freq but is there a recognized freq for *everyone* to monitor. How about a national SSB freq?

Here in Hawaii I'm not active on 10M.

Jeff NH6IL

From owner-qrp-1@netcom.com Thu Nov 17 01:45:23 1994
Date: 16 Nov 94 21:55:25 EST
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: Another 40-40 is Born!
Message-Id: <941117025525_74740.3166_EHB278-1@CompuServe.COM>

I finally managed to find enough time to finish the 40-40 kit I bought several weeks ago. The only problem encountered during construction was a self-inflicted one. I wound L1 with 22 turns rather than 27, putting my VFO

somewhere out in left field. It finally wound up taking 26 turns on L1 with an 18pf NPO disk capacitor in parallel to get the frequency range right. My rig wound up with a tuning range of about 33 KHz, which is plenty.

Last night, while it was jury-rigged all over the table with clip leads, etc., I had the pleasure of working VE3TAR, Ted, in Ontario who gave me a 559 RST. Not too shabby for 1.5 watts into my old rainspout! :-)) (Ted's QRP signal, by the way, was booming into southeastern Pennsylvania yesterday.)

Tonight I installed this little rascal in its permanent enclosure. I used an LMB Crown Royal Model C.R. 531 enclosure (Mouser Cat # 537-CR-531) which measures 5.5" x 3" x 1.25". A bit "pricey" at \$8.10, but makes real slick little package. It was a tight fit, but came out real nice.

My hat goes off to Dave Benson, NN1G, for designing such a neat little rig. It's the best \$40.00 I've spent in a long time.

73, Craig WB3GCK

P.S. I also got to test out the SWR protection zener diode when I inadvertently transmitted into a bad (open) coax cable connection. Took a lickin' and kept on tickin'. :-))

From owner-qrp-l@netcom.com Thu Nov 17 01:46:02 1994
Date: Wed, 16 Nov 94 20:05:31 PST
From: dh@deneb.csustan.edu (Doug Hendricks)
Message-Id: <9411170405.AA10830@deneb.csustan.edu>
Subject: CHEAP KEYER

I can't believe that no one else has posted this, but I will if no one else will. Ten Tec has the following ad on page 12 of their catalog.

Budget Electronic Keyer

A classic circuit and a nice price make this a great project for beginners or for building into extra rigs. Includes speed control, weight control (rarely offered in "simple" CMOS circuits) and sidetone pitch control. A lot of keyer for the price, it features self completing dits and dahs for standard single lever keyer paddles. While not designed for iambic operation, the price and reliability make the 1553 a very nice introduction to electronic CW keying.

T-Kit No. 1553, \$9.00
Suggested Enclosure Plus Pak. NO 1000A, \$13.50.

There it is guys, a keyer kit for \$9.00. Comments from anyone who has built the kit????

72, Doug

KI6DS

From owner-qrp-l@netcom.com Wed Nov 16 13:31:17 1994
Date: Wed, 16 Nov 1994 08:12:08 -0600 (CST)
From: Jeff Gold <JMG@tntech.edu>
Subject: Classic power
Message-Id: <01HJJGH0DXUGBOTN9W@tntech.edu>

All,

> Ted - your differential of 4 watts on the OHR Classic seems high. When
> my Classic is set for 5 watts on 40 I get about 4 watts on 20. Maybe you
> need to do a little more tweaking on the 20 meter side. I wondering if
> anyone out there knows how to equalize the settings to get 5 watts on
> both bands -
> 72 Bob VO1DRB/WA6ERB
>

Well I believe mine also has a big differential.. believe when I
am at just a little under 5 on 20 I am at about 8 watts on 40. I
think the power adjustment should have been on the front. But I
do love my Classic.

Was on 40 this am with the Norcal. I am in TN and the guy was in
Wis operating from an apartment with fairly low power. Boy do I
like the little Norcal.. sure works nice. Anyone have an unbuilt
Sierra?

73

Jeff

From owner-qrp-l@netcom.com Wed Nov 16 10:38:10 1994
Date: Wed, 16 Nov 1994 08:52:39 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: DigiKey Keyer
Message-Id: <Pine.3.87.9411160839.B11674-01000000@random.ucs.mun.ca>

Chuck - an inexpensive (cheap) iambic keyer would be welcome. I still
think the Curtis chip is the best implementation, but at \$20 a pop that
costs almost as much as my 30-40 and 40-40. By the way I get a kick out
of some of the reviews of non-curtis keyer kits with claims that they are
the cheapest keyers on the market - I have yet to see that proven - even
if you want to "roll your own" Curtis keyer FAR Circuits has a deal where
you get Curtis chip and PC board (ARRL Handbook design) for I think \$25.

So let's hear from the QRP-L net for a design (\$) goal of \$10 for keyer

(minus speed pot). Then we can call our units the 40-40+

72 Bob V01DRB/WA6ERB

PS: Any club interested in a bulk purchase of Curtis chips - maybe we can get the price down that way.

From owner-qrp-l@netcom.com Wed Nov 16 16:25:47 1994
Date: Wed, 16 Nov 1994 07:45:51 -0700 (MST)
From: Robert Cutter <bcutter@csn.org>
Subject: Re: DigiKey Keyer
Message-Id: <Pine.3.89.9411160754.A12787-01000000@teal.csn.org>

The CMOS Keyer that was in QST and still kitted for less than \$50.00 is hard to beat, I have included it in my rigs. 72, Bob KI0G

On Tue, 15 Nov 1994, chuck adams wrote:

>
> Gang,
>
> 20 years or so ago DigiKey had a small keyer called
> (can you imagine) "The DigiKeyer". I think it came
> from a QST article of that era. It used 3 or 4
> 4000 series CMOS chips. I had one for 15 years and
> was moving it from QTH to QTH and finally I guess I
> gave up on packing it and lost it.
>
> Anyone have one or have the schematics?
>
> Here is why the interest - as project #2 for the
> internet QRP group, we need a non-Curtis chip non-
> CMOS II keyer. It does not have to be complicated
> and it only needs completing dits and dahs and
> spacing automatic for characters and words.
>
> The DigiKeyer would be small enough and cheap enough
> to put in all the rigs that you have homebrewed or kit.
> This sudden interest brought about after carting a paddle
> and a keyer that was larger than the NE40-40 rig!!!! So
> let me know what you have (no need to flood the net) and
> I'll summarize. Dig through all your old QSTs, 73s, HRs,
> and Handbooks for small keyers and let's get the smallest
> and the cheapest and come up with a board that FAR or the
> NorCal club can go with.
>

> I have the keyer from A&A already and will put it in
> the NE40-40, but I have a NE30-40 in progress and will have
> it going by tomorrow. I will be able to help those having
> the VFO problems by then also. I started with the extra
> turn in the VFO toroid as suggested by the several postings
> already on the topic.
>
> p.s. When I left Miami yesterday the winds were already
> at 25+ knots. Haven't seen the weather today, but I'd guess
> that I got out in time. I called the B&B when I got home
> and they lost all the leaves off their trees and they were
> 80 miles north of Key West.
>
> dit dit
>
> SIG
> Chuck Adams K5FO CP-60
> adams@sgi.com
>
>
>

From owner-qrp-l@netcom.com Wed Nov 16 19:14:19 1994
Date: Wed, 16 Nov 1994 14:57:25 -0500
From: doug@acpy01.utsd.att.com (os2user@vmdoug.utsd.att.com)
Subject: Re: DigiKey Keyer
Message-Id: <9411162004.AA1898@vmdoug.utsd.att.com>

>So let's hear from the QRP-L net for a design (\$) goal of \$10 for keyer
>(minus speed pot). Then we can call our units the 40-40+

An old issue of _73_ had a super simple super cheap keyer. Probably cost
ten dollars maximum.

It's original use was in contacting the robot computer on the Russian
satellites. It uses an address decoder chip (a 4040 ?) and an eprom.
The eprom is burned with FF and 00 corresponding the key down/up situations.
The output of the address chip feeds into the eprom and the the data out
of the eprom (any data line) is fed to the keying circuit. So, if you
wanted to send CQ you would just burn the EPROM to read :

FF FF FF 00 FF 00 FF FF FF 00 FF 00 00 (that's C)
FF FF FF 00 FF FF FF 00 FF 00 FF FF FF (and that's Q)

and so on...

I've wanted to build this keyer for a long time (even made some
improvements on the drawing board for multiple messages and such) but
I need an eprom programmer. Anyone want to volunteer to burn a few eproms?

Is anyone else interested?????????

Doug KA2UPW
doug@acpy01.utsd.att.com

From owner-qrp-1@netcom.com Wed Nov 16 02:16:16 1994
From: jeffrey@math.hawaii.edu
Date: Tue, 15 Nov 94 19:15:15 HST
Message-Id: <9411160515.AA00323@cruncher.math.hawaii.edu>
Subject: Diode ID'er

Let me preface the following with the statement that I always like to use just the components I have on hand for my projects, and I happen to have dozens and dozens of diodes from old computer PC boards, so don't scold me for wanting to use ancient technology!

With that disclaimer, does anyone recall a QST article from the 70's (or earlier) that gave details of designing a diode matrix auto CW identifier?

Jeff NH6IL

From owner-qrp-1@netcom.com Wed Nov 16 14:10:01 1994
Message-Id: <9411161448.AA22481@us4rmc.pko.dec.com>
Date: Wed, 16 Nov 94 09:48:22 EST
From: "N100Q Tom R. @ MR01 16-Nov-1994 0928" <randolph@est.enet.dec.com>
Subject: Re: Diode ID'er

Hey, I'd like to see that article too! ROMs are nice, if you have a PC and feel like springing for the \$150 programmer. To build one IDer? Nah.

My 40m transmitter is about done. I still have to tweek the output network some, but so far I get 1.3-1.6W out depending how hot the transistor is. The fact that it gets hot leads me to believe a lot of power is being dissipated that's supposed to be radiated...

Considering this is the first TX I ever built from scratch, I'd say I did ok! Nothing fancy here - JFET VFO (air variable cap), JFET buffer, NPN amp, emitter follower buffer, keyed NPN class A amp, NPN class C amp. All improvised from Solid State Design and QRP notebooks...

on the air soon,
-Tom R. N100Q randolph@est.enet.dec.com

From owner-qrp-l@netcom.com Thu Nov 17 02:55:58 1994
From: David Adams <dave@flowserver.stem.com>
Message-Id: <9411170516.AA11240@flowserver.stem.com>
Date: Wed, 16 Nov 94 21:14:11 -0800
Subject: Fox log

Well...that was interesting. My apologies for my sloppy code. Glad to say that I did get found, though....

04:00 WB4OWL
04:08 K06CL
04:35 KM6WT

That's all the contacts...I'll fox again in March.

73 de Dave, N9UXU

From owner-qrp-l@netcom.com Wed Nov 16 16:34:35 1994
From: David Adams <dave@flowserver.stem.com>
Message-Id: <9411161708.AA06383@flowserver.stem.com>
Date: Wed, 16 Nov 94 09:05:07 -0800
Subject: Foxing

Final reminder, folks...tonight at 7-9PST (03:00-0500 UTC), I will be the fox at or near 7.110...horribly noisy portion of the band, but qrp is supposed to be a challenge!

73 de dave, n9uxu

From owner-qrp-l@netcom.com Wed Nov 16 09:59:55 1994
Date: Wed, 16 Nov 1994 08:48:18 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: Hello from Ecuador
Message-Id: <Pine.3.87.9411160818.A11674-0100000@random.ucs.mun.ca>

Rich - we'll be looking forward to hearing your BIG QRP signal from Ecuador with your "typical" Ecuadorian 6 element cubicle quad. Welcome to the list.

72 Bob V01DRB/WA6ERB

From owner-qrp-l@netcom.com Wed Nov 16 13:06:13 1994
From: KELL@mpac.jsc.nasa.gov
Date: Wed, 16 Nov 1994 9:01:47 -0600 (CST)
Message-Id: <941116090147.2e3@mpac.jsc.nasa.gov>
Subject: Re: Hello from Ecuador

Hello from the Andes:

I just signed on the QRP list a couple of days ago and confess that I know next to nothing about QRP operations and how to build a set. However, I'm a CW fan and find working QRP stations a lot of fun. I'd like to build myself a low-powered rig and anticipate this group being a lot of help in this area.

In the meantime, if anyone would like to add Ecuador to his/her logbook, I'd be glad to set up a sked with you and give it a try. We've just moved, but I hope to have the antenna back up by the weekend.

73 de

Rich, HC1JMN

dit dit

Welcome to the list Rich. Ya know, somehow I never thought of HCJB as a QRP operation. It just booms into Houston any time you want to listen. By the way, we already have a dit dit. you are going to have to either be dit dit dit or dit dah. :)

72 and 73

Ted Kell@mpac.jsc.nasa.gov
KC5CUW/AA (Just barely)

From owner-qrp-1@netcom.com Wed Nov 16 23:05:03 1994
Date: Wed, 16 Nov 1994 16:44:17 -0800 (PST)
From: Andrew Volokitin <avolokit@sparta.sjsu.edu>
Subject: Hello... (Intro)
Message-Id: <Pine.3.89.9411161620.A17395-0100000@sparta.SJSU.EDU>

Hi there,

Just wanted to introduce myself to this list.

My name is Andy Volokitin, currently licensed as a Novice (KC6TB0). I've had my license approx three years, planning to upgrade in December or January to TECH+.

I'm an undergraduate student at San Jose State University, S.J.,CA, graduating in May with a degree in Mechanical Engineering, concentration in Design. Eventhough I'm not a EE student, I've had electrical & some radio

theory in basic electrical classes.

I've been interested in radios & emergency services since elementary school. Back in my hometown, there was a HRO located a few blocks away from home, (conveniently located btwn home & school), my dad had a hallicrafters radio and heathkit projects, and my brother was involved with radios in Civil Air Patrol.

Current projects & Interests:

Building a QRP, 5 watt, single band, "emergency" rig

- * Runs off battery, recharged by Solar panels
- * CW or Voice
- * probably 2m (have to wait 'til Tech+... but...)
- * very compact & portable package.

Solar panels, for recharging batteries.

Single Band QRP, using voice.

Hopefully some of you have similar interests.

Thanks...

-- 73 de Andy

Andrew Volokitin avolokit@sparta.sjsu.edu
San Jose State University
San Jose, California

SJSU HPV 1994-1995 Team Member
Email Coordinator

CQ CQ CQ de KC6TBO KC6TBO K
/// \\ \\ /// \\ \\ /// \\ \\ /// \\ \\ /// \\ \\ /// \\ \\
TIP#297 -- Paint'em ALL... let the ref sort'em out!!
=====

From owner-qrp-l@netcom.com Thu Nov 17 01:42:59 1994
Date: Wed, 16 Nov 1994 23:42:56 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: INET Keyer Project
Message-Id: <Pine.3.87.9411162356.B26420-01000000@random.ucs.mun.ca>

QRP-L list gang,

The more I think about this (what?) I think the solution to Chuck's problem is to build a smaller keyer and key and not build a keyer for

each rig. I keep thinking of the key/keyer I saw at Dayton that belonged to Dave NN1G. He had the little teeny-weeny Schaurer (sic) iambic key made in Germany mounted on a little box which housed the Curtis keyer and mini-battery - it was a sight to behold. The beauty of it was that it was small and compact and could be used on ANY rig. It's a one time investment for the keyer (Approx \$30) and the key (I think about \$100).

Has anyone else done this? I think Jim W1FMR also has a mini key built up.

I am still working on a project of mounting the Curtis keyer in a little case and mounting a pair of \$4 Ramsey capacitance-touch paddles and circuitry in the same case - that would make it small, light and cheap. I have used touch paddles before (have a paddle called the Copperhead that was in May 1991 73 magazine and it really does work half way decent.

Anyone try this out yet?

72 Bob VO1DRB/WA6ERB

From owner-qrp-l@netcom.com Thu Nov 17 04:06:30 1994
From: maessm@rpi.edu
Message-Id: <199411170613.BAA20026@rembrandt.its.rpi.edu>
Subject: intro, I guess...
Date: Thu, 17 Nov 1994 01:13:12 -0500 (EST)

Well, I've been reading the list for about a week now, and I guess I should post an intro...

I'm Mat Maessen, N2NJZ, and I hold an Advanced ticket. I'm a Junior EE major here at good old RPI, and I've been a ham for almost 4 years now...

I don't claim to have done much QRP operating, but it was always kind of neat when I was back in high school and actually had time for radio, to take my father's Argosy II and flip the little switch in back that turns it down to 5 watts max and call CQ... it really amazed me at what I could work on that little power, and how long a gel cell lasted with the radio running like that... :)

I've been playing with electronics since I was about 12, but I've never attempted anything as large as homebrewing my own rig... Hmmm... senior design project, maybe? :)

Anyway, I'll probably mostly lurk on here... just read and absorb..

-Mat

From owner-qrp-l@netcom.com Wed Nov 16 15:33:18 1994

Date: Wed, 16 Nov 94 11:01:24 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9411161701.AA01387@chuck.dallas.sgi.com>
Subject: Keyer revisited

Gang,

Keep the cards and letters flowing. Lot's of ideas and stuff.

Yes, I know about the ARRL handbook keyer in 1991 and other years. I'll probably order the \$2.50 board from FAR circuits.

Some have questioned my sanity, which is always a valid thing to do, about doing something other than the Curtis chip. Well, at \$20+ a pop in rigs that only cost \$50 to start with seems to be an economy of scale. I have the CMOS II, but in some rigs I want a cheap builtin and am willing to give up the B mode just for the reduced hassle in packing stuff for trips. And there are some who just can't afford in their budget the higher price. So it's just something to think about.

Anyone a PLA expert? W5GL0 in OK does something with a PLA, but he keeps it well guarded what he is doing. Maybe someone has a idea. The only problem is the cost of the programmer, unless there is a temporary breadboard that will do the job. We're talking about a state machine here gang.

thanks,

dit dit

SIG
Chuck Adams K5FO CP-60
adams@sgi.com

From owner-qrp-l@netcom.com Wed Nov 16 20:13:12 1994
Date: Wed, 16 Nov 1994 14:51:35 -0700 (MST)
From: Robert Cutter <bcutter@csn.org>
Subject: Re: Keyer revisited
Message-Id: <Pine.3.89.9411161420.A6032-01000000@teal.csn.org>

My sanity can be questioned also but I find a memory keyer, especially one that takes so little power like the CMOS, great for backpacking etc. When you are cold or have limited space the memory can call "CQ" and give other information a lot more easily and probably more readable than hand sending under difficult conditions. Then again perhaps I am just lazy.

72, Bob KI0G

From owner-qrp-1@netcom.com Wed Nov 16 13:01:48 1994
Date: Wed, 16 Nov 94 10:49:45 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9411161649.AA01340@chuck.dallas.sgi.com>
Subject: Kurt N. Sterba

Gang,

This is indirectly related to QRP work.

Kurt (a pen name) writes tongue-in-cheek articles for WorldRadio, but with a great deal of truth built in on antennas, which he calls Aerials. Aerials is an old name for antennas and is used by some of the old timers still and those with a sense of humor also.

Anyway, I was sitting this morning after a waffle reading a copy of Aerials II that I bought at Pacificon. I was in tears from laughing so hard at his one liners at the end of some of his articles. The book is a large number of reprints of one and two page monthly articles which he did in WorldRadio.

The reason why I bring this up here is that he has a number of ideas (albeit some of them ridiculous in nature) on what to use for antennas. This of interest to those who have antenna restrictions. He has a couple of good comments and good articles on his results with the WD4BUM antennas (which have gone up a couple of bucks in price since he published a price of \$15 in the article) and he seems to really swear by them.

For light reading I highly recommend this book to go along with the more serious stuff you have.

Aerials II by Kurt N. Sterba & Lil Paddle (the XYL's pen name), published by WorldRadio Books for \$11 list price.

dit dit

SIG

Chuck Adams K5FO CP-60

adams@sgi.com

From owner-qrp-l@netcom.com Wed Nov 16 01:24:26 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: Lost another one...
Date: Tue, 15 Nov 94 21:42:20 EST5EDT
Message-Id: <1994Nov15.214220.29622@wb3ffv.ampr.org>

As a matter of fact, I think you're right about that--if memory serves correct, a great deal of the mail revolved around a relatively small number of topics, and there don't seem to be any major issues or projects going at the moment. I guess it's all in perception, and I guess the list is probably alive and well after all, just going through a lull, as you said. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Wed Nov 16 02:24:31 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: Lost another one...
Date: Tue, 15 Nov 94 23:00:09 EST5EDT
Message-Id: <1994Nov15.230009.1065@wb3ffv.ampr.org>

Can discussions about Sierra building, etc, go on r.r.a.homebrew? I'd vote for keeping them on qrp-l! Admittedly homebrew and QRP are two highly overlapping disciplines, but I think QRP info should stay on the QRP list; after all, QRP rig building tips and hints and problems will only appeal to a very small portion of the r.r.a.h crowd anyhow. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Wed Nov 16 10:34:24 1994
Date: Wed, 16 Nov 1994 09:12:15 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucsf.mun.ca>
Subject: Re: Lost another one...
Message-Id: <Pine.3.87.9411160915.D11674-0100000@random.ucsf.mun.ca>

Mike,

I think the "slow-down" on the QRP-L is all Daniel Wee's fault. Now that he has his new Singapore amateur radio license he probably has got himself a kilowatt and has forgotten up QRPer's. If you recall he was the one who got everyone stirred up into a frenzy over the QRP-L Super Project #1. Maybe we entice him to come back and design us a \$5 keyer using top of the line Singapore parts and PC board so as to meet Check Adam's QRP-L Project #2 goal.

Daniel - turn that Kilowatt off and come back...

72 Bob VO1DRB/WA6ERB

From owner-qrp-l@netcom.com Wed Nov 16 23:05:01 1994
Message-Id: <199411170054.QAA07077@mail3.netcom.com>
Subject: Re: Lost another one...
Date: Thu, 17 Nov 1994 08:55:04 +0800 (SST)
From: Edwin Teh <s2202629@np.ac.sg>

> I think the "slow-down" on the QRP-L is all Daniel Wee's fault. Now that
> he has his new Singapore amateur radio license he probably has got
> himself a kilowatt and has forgotten up QRPer's.

Nope, no kilowatts here in S'pore. On VHF, the S'pore amateurs are restricted to 10W maximum power o/p - and thats ERP!

I understand Dan was having exams, all the way up to last week, and just before that, he squeezed time to take the morse exam (conducted twice a year - at about 13wpm) to u/g his licence...

> Daniel - turn that Kilowatt off and come back...

But he still monitors this list, so...

< Watch This Space >
< He'll be back >

Rgds!

From owner-qrp-l@netcom.com Wed Nov 16 19:11:30 1994
Message-Id: <m0r7qH1-0000YPC@juts.ccc.amdahl.com>
Date: Wednesday, 16 November 1994 11:39 PT
From: bruce.florip@amail.amdahl.com
Subject: Milliwatt in California

Hi Mike,

Thanks again for the efforts on the Milliwatt reprints. They arrived yesterday and temporarily slowed progress on my Sierra.

The Sierra is going well. I should be into testing by the weekend. The progress on the sierra has been documented as I progress. I'll send the results to the QRPp to see if they're interested.

To all on the list, keep building, operating, and trying new modes. It has been great reading up to now!

73, from Santa Clara, Ca.

Bruce aa7ar

From owner-qrp-l@netcom.com Wed Nov 16 13:05:54 1994
From: washpenn!swider@uunet.uu.net
Date: Wed, 16 Nov 1994 09:30:30 -0500
Message-Id: <QQxqgw10266.199411161430@relay3.UU.NET>
Subject: New Ham Needs Advice

Hello all, this will be my first post to this list. I've been slowly preparing for my Novice exam and finally passed it Oct 29th. I upgraded to Tech+ the following weekend (Dec 5) and now I patiently wait for my ticket. I've been reading this list for several months and it has been a source of inspiration for me. Keep all the great info coming.

Now the reason for my post... QRP sounds like a great deal of fun to me, but most of amateurs I've talked with have discouraged me from starting out with a QRP rig. While I wait for my license to arrive, I'd like to work on my first station. Homebrew and kits are probably out of my league at this point, but something I plan to try. Would I be making a mistake by starting with QRP? Can anyone make some recommendations?

Thanks,
Rob
washpenn!swider@uunet.uu.net

From owner-qrp-l@netcom.com Wed Nov 16 20:16:07 1994
From: washpenn!swider@uunet.uu.net
Date: Wed, 16 Nov 1994 16:56:36 -0500
Message-Id: <QQxqhz01355.199411162156@relay3.UU.NET>
Subject: Re: New Ham Needs Advice

Thanks for all the great responses I've received. The general consensus is that I should wait until I get some operating experience before trying QRP. I'm going to take that advice.

That being said, can I get some recommendations for used HF equipment? I'd like to keep my total station cost under \$500 at this point. SSB isn't a concern for me right now, so CW only gear would be fine. I was planning on using a dipole so that I can concentrate more of my budget towards the rig.

Thanks,
Rob
washpenn!swider@uunet.uu.net

From owner-qrp-1@netcom.com Wed Nov 16 14:58:35 1994
From: PB13128@deere.com
Message-Id: <DACDXX21.PB13128.335231120094320FDACDXX21@TCP30.DX.DEERE.COM>
Date: 16 Nov 1994 12:31:12 GMT
Subject: NOTE 11/16/94 12:31:51

Subject: 74C240 CMOS Transmitter

Reference the 74C240 CMOS 1/2 transmitter show in the Hints and Kinks column of the November QST. Anyone other than N7KSB using this chip or something similiar? Am interested in a low power transmitter for use with 28 Mhz Es. (Would rather work 50 Mhz but more CW found on 28 Mhz than on 50 MHz although that is slowly changing).

So if anyone has any experience with that chip or a better low cost, simple, home brew solution I'd like to hear about it. Padding down my 6 meter or 10 meter transmitters wouldn't be any fun so lets automatically eliminate that suggestion!

Tnx and 72,
Pete, NN9K
pb13128@deere.com

From owner-qrp-1@netcom.com Wed Nov 16 20:56:30 1994

Date: Wed, 16 Nov 1994 17:28:38 -0500 (EST)
From: David Moody <MOODY@Admin.Rose-Hulman.Edu>
Subject: Re: NOTE 11/16/94 12:31:51 (74C240 CMOS Transmitter)
Message-Id: <01HJJZYNNMZU02HWH0@ADMIN.Rose-Hulman.EDU>

NN9K wrote:

>Subject: 74C240 CMOS Transmitter
>
>Reference the 74C240 CMOS 1/2 transmitter show in the Hints and Kinks
>column
>of the November QST. Anyone other than N7KSB using this chip or something
>similar? Am interested in a low power transmitter for use with 28 Mhz Es.
>(Would rather work 50 Mhz but more CW found on 28 Mhz than on 50 MHz
>although
>that is slowly changing).

I am getting ready to build this one, and should have everything together in a few weeks. It looks to be quite fun and much better for higher frequencies.

I have built transmitters in the past using 74HSxx series TTL ICs. Just use a stage of a NAND gate in a crystal osc. configuration, driving a Hex Inverter with all of the stages in parallel, output to a good pi net to absorb harmonics, and you can work quite a distance with about 85 mW. I am not sure where I originally saw this design, but it does work quite well as long as you don't try to go too high in frequency. It is great for 40 or 30 meters, just make sure that you have a good antenna!

>Tnx and 72,
>Pete, NN9K
>pb13128@deere.com

-- That's my two milliwatts worth...

David A. Moody | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Wk Ph: 812.877.8183
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!!)

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From owner-qrp-1@netcom.com Wed Nov 16 13:53:04 1994
From: N5EM@aol.com
Date: Wed, 16 Nov 1994 12:19:14 -0500
Message-Id: <941116120340_651615@aol.com>
Subject: Re: QRL?

Steve,

Two thoughts about your QRL? experience.

1. The "proper" response to QRL? is QRL. ie, if I send QRL? I am asking is the frequency in use? QRL means the frequency is in use. Sending R to any courteous ham would have been enough. Sometimes there is nothing to do but move when the KW lid types decide to QRL your frequency from you.

2. On many bands, however, there is one-way propagation. I would not normally think this would be the case on 40 meters, but on 20 and up, it is normal for a station to hear only one end of a QSO. Take 10 meters, for example. I could be working a station in Florida from the Houston area.

Another station 20 miles from the FL station could be listening on the freq. for a minute or two and never hear the other FL station talking. He calls "is the freq. in use?". Normally, if I respond "yes, the freq. is in use", he will say thanks and QSY. But then, 10 meters is mostly populated by courteous hams (except during DX contests!). Anyway, the station might not have heard the ham you working and did not understand the R you sent. At least that is the "positive view of humanity" example.

Keep the faith. Not all the QRO stations are lids. 72/73
Ed/N5EM
Houston, TX

From owner-qrp-1@netcom.com Wed Nov 16 17:02:37 1994
Date: Wed, 16 Nov 1994 13:00:19 +0700
From: kub@upl.com (Steve Kubisch)
Message-Id: <9411162000.AA17486@ringworld.upl.com>
Subject: QRL?

Hi Again,

OK I admit I'm confused. Since my post yesterday concerning how to answer a QRL? I have recieved a few EMAILS and everyone seems to have a different idea as to what is the proper response when the freq is busy. I've tried looking it up in the Handbook but cant find it. Maybe someone can clear up the confusion. Maybe I'm the LID

Tnx & 73

Steve - WW7Y -

From owner-qrp-l@netcom.com Wed Nov 16 22:23:28 1994
From: JimN00CT@aol.com
Date: Wed, 16 Nov 1994 18:30:19 -0500
Message-Id: <941116182034_897845@aol.com>
Subject: Re: QRL?

Steve WW7Y writes:

I hate it when that happens. Could he copy me? Obviously he
heard something, hence the "?". Should I have sent "PSE QSY", maybe.....

Sending QRL back to him works sometimes. An "R" or a "C" I have found often
gets ignored more than the "QRL". Then again, you are correct that QRP takes
patience.

GL es 73 +/- 1

jim n0oct

From owner-qrp-l@netcom.com Wed Nov 16 18:20:27 1994
Date: Wed, 16 Nov 94 15:07:55 MST
From: miker@cc.com (Mike Robinson)
Message-Id: <9411162207.AA14327@cc.com >
Subject: QRO assault

What is 'lid'?

=====
7.3 de Michael aa0ub (formerly kd6wdd and kg0ot)
miker@cc.com --==<< I'm the last 'S' in KISS >>==--
=====

From owner-qrp-l@netcom.com Wed Nov 16 15:38:20 1994
Date: Wed, 16 Nov 94 08:42:02 PST
From: Roger L Traylor <Roger_L_Traylor@ccm.jf.intel.com>
Message-Id: <941116084202_1@ccm.hf.intel.com>
Subject: R2 current consumption

Text item: Text_1

Hey gang,

I'm interested in hearing from anybody that has built Rick
Campbell's R2 receiver. I finished mine a few weeks ago and it seems
to work well. I have noticed however that the board current

consumption cannot be lowered below 160ma. This is a far cry from the 100ma mentioned in Rick's article. A quick check of the audio amplifier stage revealed no mistakes in component values, solder bridges etc. The reciever seems to work well, beautiful audio, signals seem to come out of near silence, unwanted sideband rejection very good. The output transistors get quite hot, but I can run them without heatsinks for up to about 3 minutes before I lose my nerve. I can crank the idle current adjustment pot for more current(not what I have in mind however!). I can easially go to 250ma, but I know this is way too much.

Anybody got any ideas?

Thanks,

Roger Traylor WB4TPW

From owner-qrp-l@netcom.com Wed Nov 16 01:26:53 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: Sick HW8
Date: Tue, 15 Nov 94 21:51:18 EST5EDT
Message-Id: <1994Nov15.215118.29622@wb3ffv.ampr.org>

As for not having output on 80 meters, one problem could be the FERRITE cores they use in the output networks on both 40 and 80 meters. They can, and sometimes DO, go bad, lower Q and changed inductance, throwing off the networks tuning point. I had an article on it in the Oct 92 QRP Quarterly (think that was it, or mayby 93) followed up by a QST Hints & Kinks item, and also in SPRAT (GQRP). The solution is to replace the cores with fresh ones of the proper type. NOTE: this applies only to 40 and 80, not to the other bands--both 15 and 20 use powdered irons, and they do not exhibit the problem. I have at least eight confirmed fixes from HW-8s around the world...well, around the USA and two in Europe, anyhow. If interested, I can post my QRP Quarterly article to the QRP list, as well as some info I had later in my Idea Exchange column in the QRP Q where I talked about being able to duplicate the bad ferrite core problem on the bench by deliberately zapping them. (I also did it to powdered irons, but the change was much, much smaller, and could only be detected by a direct A/B comparison, before and after zapping.) If anyone wants, I'll post the things. (And an offer, to the originator of the message only, NOT to the whole QRP list--if you give up, you can ship me the thing and I'll fix it, charging only return postage and for parts which I have to pay money to get. I have done so numerous times over the years for a lot of folks.) 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Wed Nov 16 17:03:52 1994
From: qrmodena@csemail
Message-Id: <9411161735.AA124213@csemail.cropsci.ncsu.edu>
Subject: Re: Sick HW8...articles
Date: Wed, 16 Nov 94 12:35:29 EST

> If interested, I can post my QRP
> Quarterly article to the QRP list, as well as some info I had later in
> my Idea Exchange column in the QRP Q where I talked about being able to
> duplicate the bad ferrite core problem on the bench by deliberately
> zapping them.....
> --
> Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org

Mike--

A no obligation offer:

Perhaps you might also consider letting me archiving them at SunSITE...
on a non-exclusive basis, which means you are free to deposit them
anywhere else...or to withdrawn them from SunSITE no questions asked.

Ditto...to anyone else who feels that in-hand technical data, hints-kinks,
etc in "article" form should be widely available by ftp.

--

73/Steve/AB4EL ab4el#Cybernetics.NET

From owner-qrp-1@netcom.com Wed Nov 16 17:10:04 1994
From: rdkeys@csemail (R. D. Keys)
Message-Id: <9411161838.AA124364@csemail.cropsci.ncsu.edu>
Subject: WWII Radio History Exhibit at NC Museum of History
Date: Wed, 16 Nov 94 13:38:29 EST

THE FOLLOWING ANNOUNCEMENT IS FOR A BOATANCHOR WWII DISPLAY AT THE
N.C. MUSEUM OF HISTORY. ALL INTERESTED AND AVAILABLE BOATANCHORITES
ARE INVITED TO ATTEND. ANYONE INTERESTED IN RADIO FROM THAT ERA IS
ALSO INVITED.

DATE/ TIME: Friday, 18 November, 1994, 1800EST to 2000EST (6-8 pm local).

PLACE: N.C. Museum of History, 1 East Edenton Street, Raleigh, NC.

TOPIC: WAR DECLARED!

Fifty years have passed since World War II. But, you can still find out what daily life was like in North Carolina (and in general) during the 1940's. Make your own dog dat, taste Victory cooking, and listen to wartime music. You can even have your face camouflaged! A display of radio equipment will be set up, both with static displays, and fully operational stations from a Patrol Torpedo (PT) boat and a B-17 bomber. You are invited to pass along a message to friends or loved ones via the amateur radio operators who will be there operating the 50 year old radios. The static displays will include captured German and Japanese radio equipment, liberty ship equipment, army field and vehicular equipment, naval shipboard equipment, and numerous photos and documents from the era.

FEE: \$2.00 per person, \$5.00 per family, proceeds going to the N.C. Museum of History.

All boatanchorites within ``travellin' distance'' are invited to attend.

If someone will pass this along to the qrp list and the ships list, I would appreciate it, so that new folks and those interested in maritime lore might also be able to attend.

See you there!

Bob
NA4G
rdkeys@csemail.cropsci.ncsu.edu

```
*****
* 73 TU SU VA DE NA4G          ``Boat Anchor Bob'', an ol' CW fart. *
*****
* Morse has been in the family for over 100 years.                      *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914.  *
*****
* May you have fair winds and following seas on your watch at the key. *
*****
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